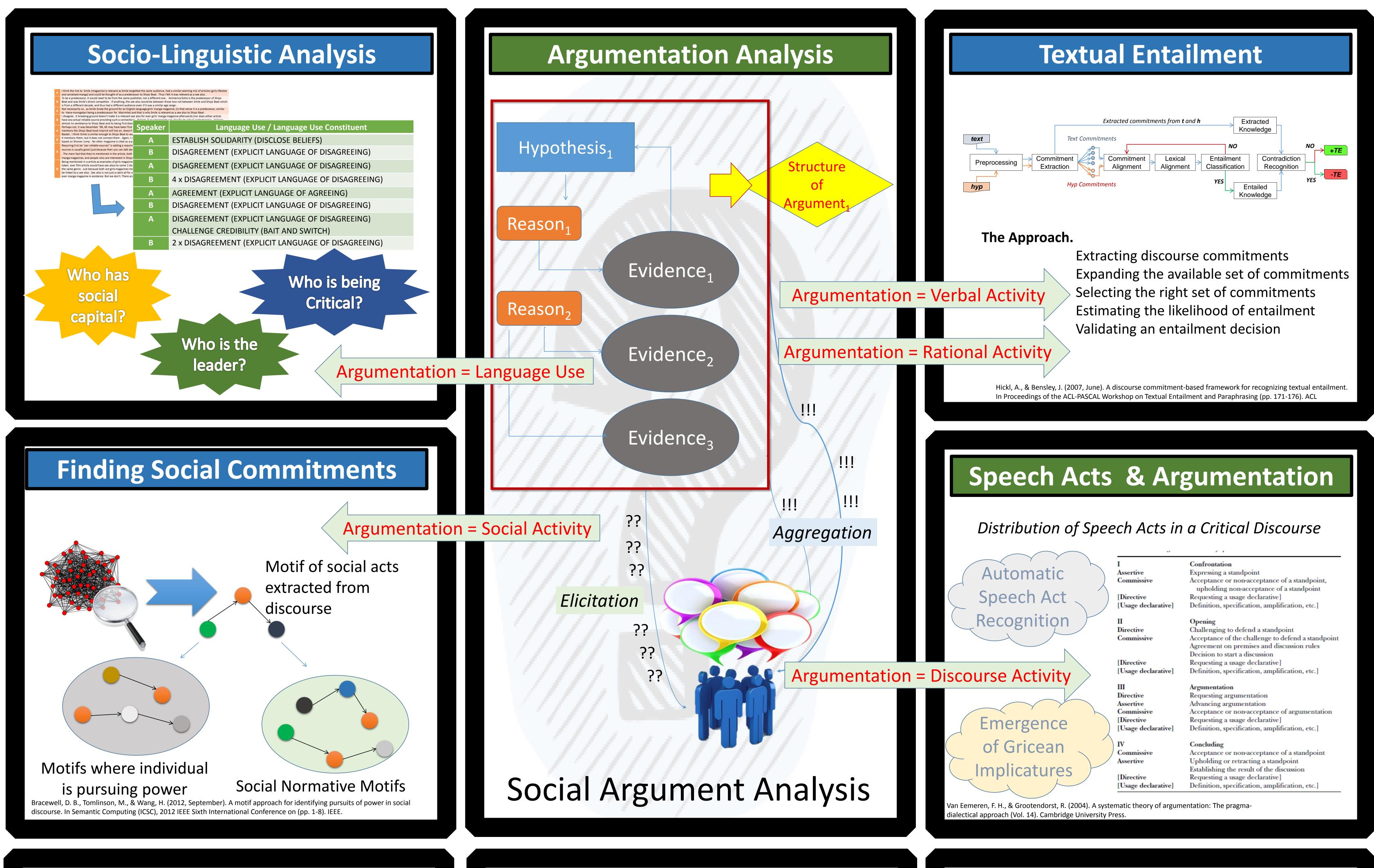
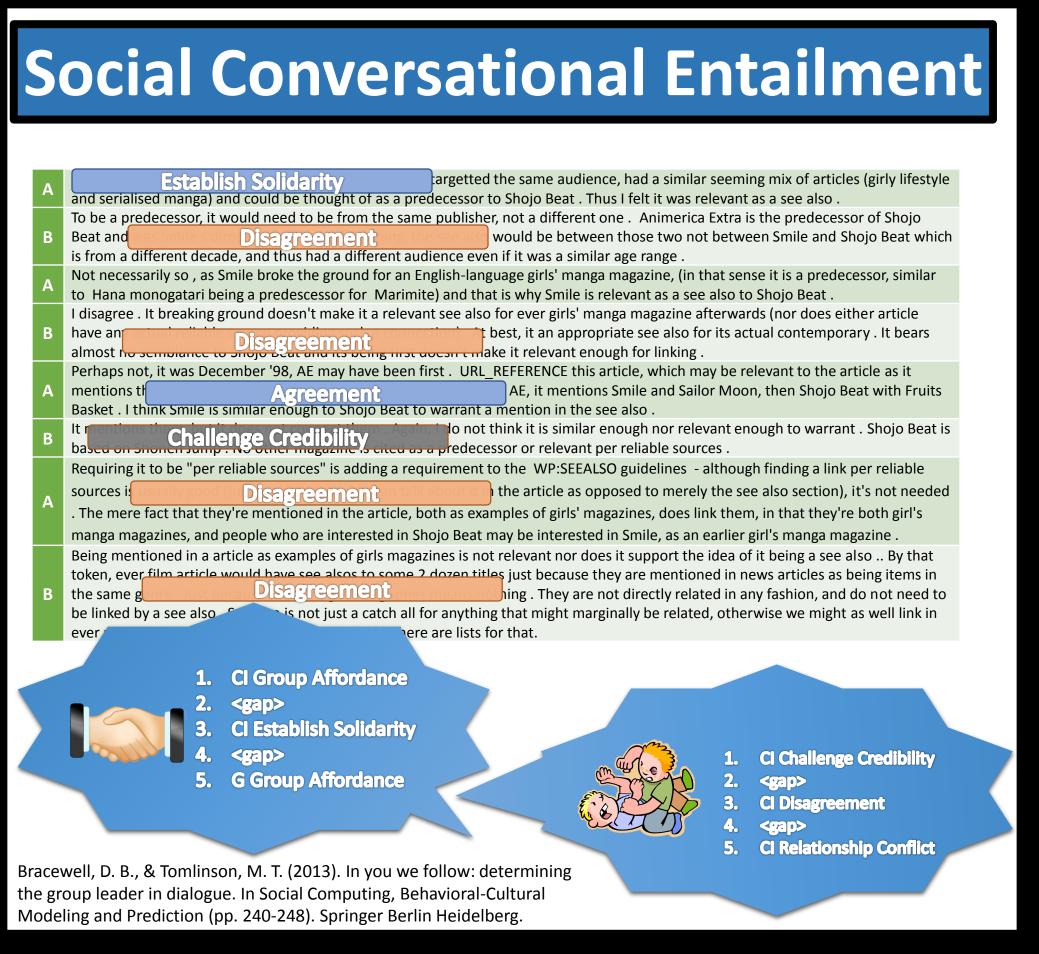
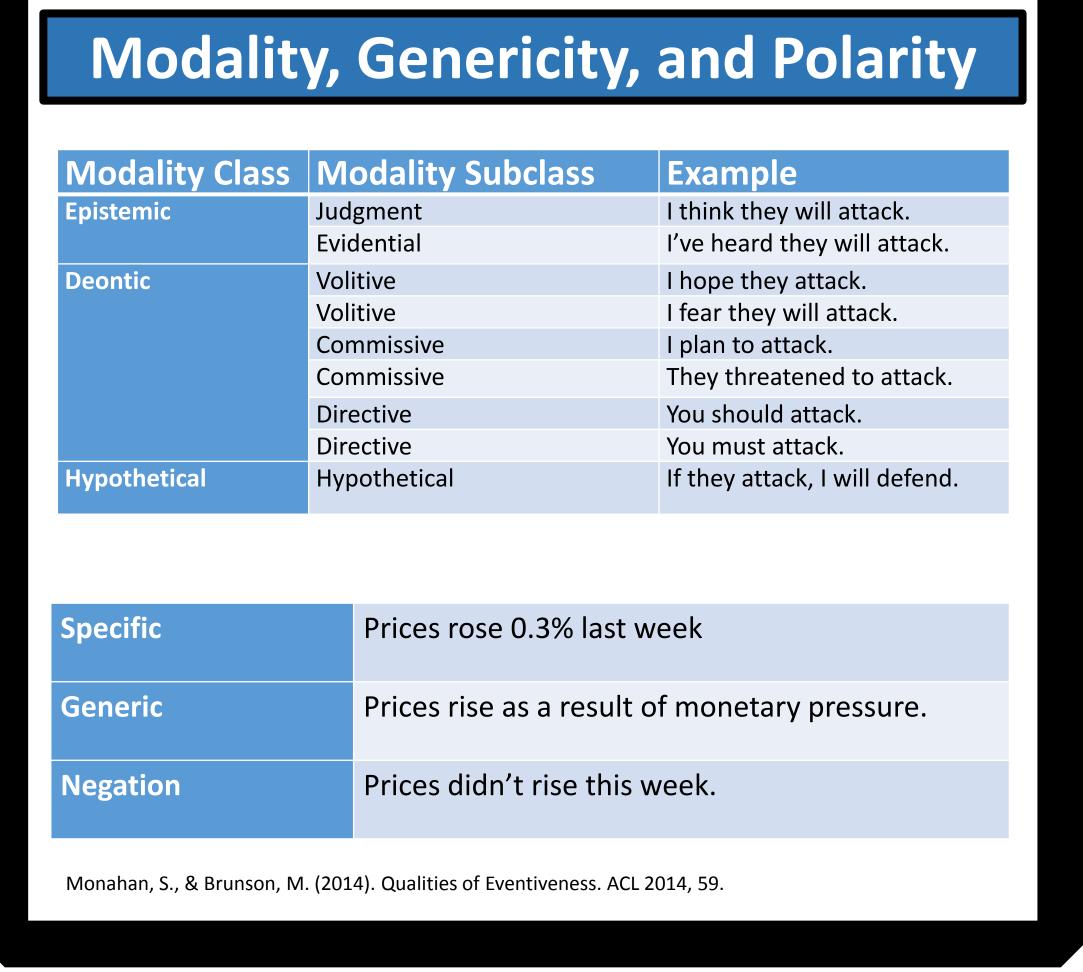
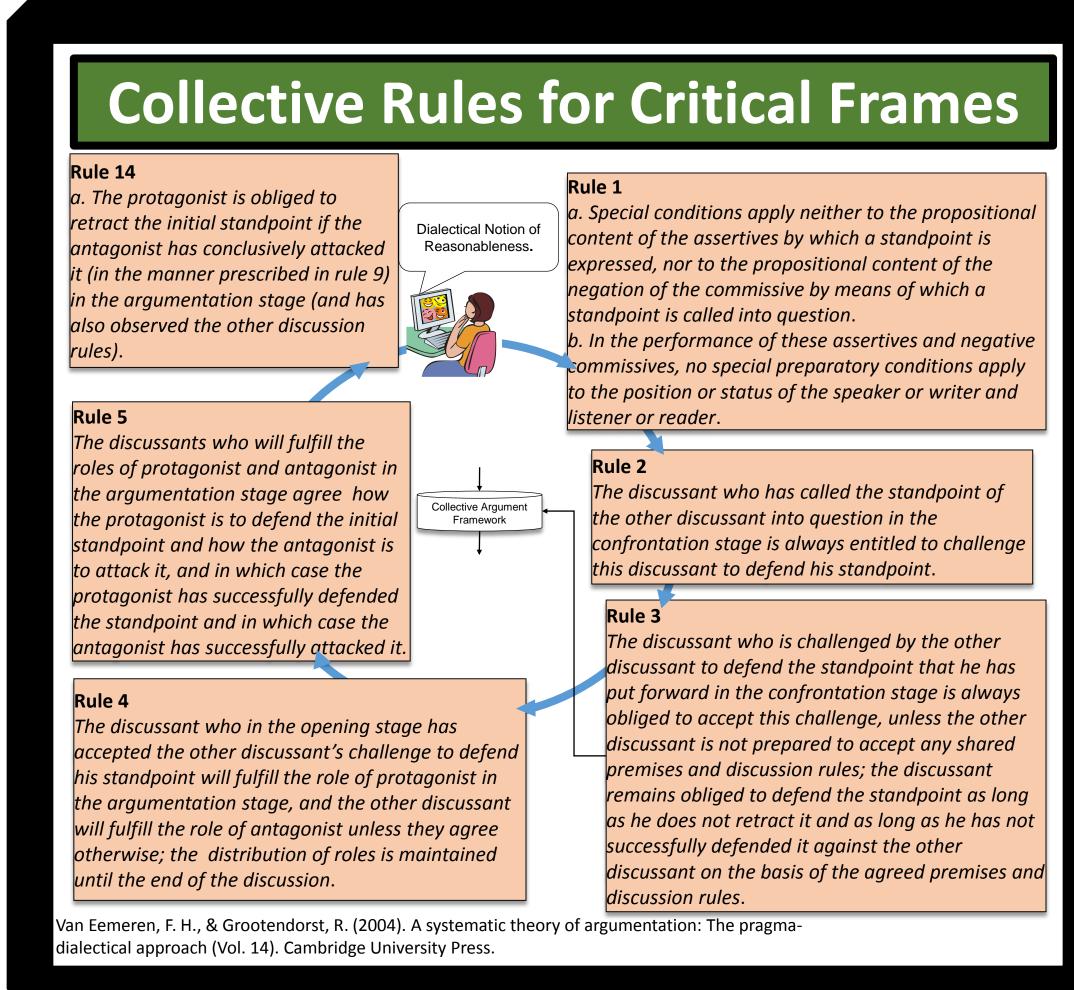


# Processing Arguments through Social Discourse Analysis









### **Crowd Sourcing**

#### Wisdom of the crowd

Qualities of Eventiveness
Social Role Identification
Metaphor Identification
Concept Recognition
Sentiment Analysis:

#### **Curated Experts**

Social Act Identification
Social Role Identification
Event Properties

Monahan, S., & Brunson, M. (2014). Qualities of Eventiveness. ACL 2014, 59.
Bracewell, D. B., Tomlinson, M. T., Brunson, M., Plymale, J., & Bracewell, J. (2012, July). Annotation of adversarial and collegial social actions in discourse. In Proceedings of the Sixth Linguistic Annotation Workshop (pp. 184-192). Association for Computational Linguistics.

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- Textual Inference (RTE, 2006-2008)
- Social Role Identification (IARPA SCIL Program) Metaphor Processing (IARPA Metaphor Program)

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- Tomlinson, M. T., Bracewell, D. B., Krug, W., & Hinote, D. (2014). # impressme: The Language of Motivation in User Generated Content. In *Computational Linguistics and Intelligent Text Processing* (pp. 176-187). Springer Berlin Heidelberg.
- Bracewell, D. B., Tomlinson, M. T., & Mohler, M. (2013). Determining the conceptual space of metaphoric expressions. In Computational Linguistics and
- Intelligent Text Processing (pp. 487-500). Springer Berlin Heidelberg.

  Tomlinson, M. T., Hinote, D., & Bracewell, D. B. (2013). Predicting Conscientiousness through Semantic Analysis of Facebook Posts. *Proceedings of WCPR*.
- Tomlinson, M. T. (2010). Building BRIDGES: combining analogy and category learning to learn relation-based categories.
   Tomlinson, M. T. & Love, B. C. (2006, July). From pigeons to humans: Grounding relational learning in concrete examples. In Proceedings of the National Learning in concrete examples. In Proceedings of the National Learning in Concrete examples.
- Tomlinson, M. T., & Love, B. C. (2006, July). From pigeons to humans: Grounding relational learning in concrete examples. In Proceedings of the National Conference on Artificial Intelligence (Vol. 21, No. 1, p. 199). Menlo Park, CA; Cambridge, MA; London; AAAI Press; MIT Press; 1999.